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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/816,333		03/26/2001	Yatin R. Acharya	F0691	6324	
45114	7590	08/10/2005		EXAMINER		
HARRITY		-	WONG, BLANCHE			
11240 WAF SUITE 300		L ROAD		ART UNIT	PAPER NUMBER	
FAIRFAX,	VA 220	30		2667		
				DATE MAILED: 08/10/2009	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	09/816,333	ACHARYA ET AL.					
Office Action Summary	Examiner	Art Unit					
	Blanche Wong	2667					
The MAILING DATE of this communication Period for Reply	appears on the cover sheet v	rith the correspondence address					
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by stranger or the set of the set of the set of the mean of the set	NN. R 1.136(a). In no event, however, may a . I reply within the statutory minimum of the riod will apply and will expire SIX (6) MO atute, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communication BANDONED (35 U.S.C. § 133).	1.				
Status							
1) Responsive to communication(s) filed on 2	1 January 2005.						
2a) ☐ This action is FINAL . 2b) ☑ 1	This action is non-final.						
,	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims	•						
4) ⊠ Claim(s) <u>1-20</u> is/are pending in the applicate 4a) Of the above claim(s) is/are with 5) ⊠ Claim(s) <u>14-20</u> is/are allowed. 6) ⊠ Claim(s) <u>1-4,9 and 10</u> is/are rejected. 7) ⊠ Claim(s) <u>5-8 and 11-13</u> is/are objected to. 8) □ Claim(s) are subject to restriction and	drawn from consideration.						
Application Papers							
9) ☐ The specification is objected to by the Exam 10) ☑ The drawing(s) filed on 21 January 2005 is/ Applicant may not request that any objection to Replacement drawing sheet(s) including the cor 11) ☐ The oath or declaration is objected to by the	are: a)⊠ accepted or b)☐ the drawing(s) be held in abeya rrection is required if the drawin	nce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d	d).				
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the paplication from the International Bu * See the attached detailed Office action for a	nents have been received. nents have been received in priority documents have bee reau (PCT Rule 17.2(a)).	Application No n received in this National Stage					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SE Paper No(s)/Mail Date	Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application (PTO-152) 					

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see p.10-19, filed January 21, 2005, with respect to the rejection(s)of claim(s) 1-7,9-12,14-17,19,20 under 35 U.S.C. 102(e) or 103(a) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Ma and Ueno.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claim 1-4,9,10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ma et al. (U.S. Pat No. 6,798,743) in view of Ueno (U.S. Pat No. 6,751,194).

With regard to cl. 1 and 9, Ma discloses a system for identifying priority level information (packet prioritization processing technique) for a data frame received by a network device 700,800 (router), comprising: (in Fig. 7 and 8)

a plurality of input ports (input interfaces) configured to receive a plurality of data frames (decapsulate from data link frame, col. 9, ln. 45; col. 11, ln. 13), each of the received data frames specifying at least one of a plurality of classes of service (QoS, col. 9, ln. 33-35);

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a memory (QoS features that are supported, col. 9, In. 49; it would have been obvious that there is some memory that stores instructions for classification) configured to store priority level information corresponding to each of the plurality of classes of service (classification, col. 9, In. 47; col. 11, In. 13); and

a port vector queue 814 (intermediate data structure)(a single intermediate queu, col. 12, ln. 11) configured to use the action tag (priority P, col. 12, ln. 14) from the action generator for each of the received data frames to access the memory to identify (preprocessed packets having an associated priority level lower than priority P, col. 12, ln. 13-14) the priority level information associated with the received data frame.

However, Ma fails to explicitly show an action generator configured to generate an action tag for each of the received data frames.

In an analogous art, Ueno disclose an action generator 110 (input processing unit) configured to generate an action tag (calculates output time limit values, col. 6, ln. 2-3) for each of the received data frames.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to include an action generator that generates an action tag. The suggestion/motivation for doing so would have been to provide for best effort services.

Ueno, col. 1, In. 59. Therefore, it would have been obvious to combine Ueno with Ma

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for the benefit of an action generator that generates an action tag, to obtain the invention as specified in cl. 1.

With regard to cl. 2, Ma further discloses a plurality of priority queues 7.10,810 (QoS output queues) associated with each of a plurality of output ports of the network device 700,800 (router).

With regard to cl. 3 and 10, Ma further discloses the port vector queue is further configured to identify one of the priority queues for each of the received data frames based on the identified priority level information (preprocessed, col. 11, In. 56).

With regard to cl. 4, it would have been obvious the memory is preprogrammed with the priority level information (QoS features that are supported, col. 9, ln. 49; it would have been obvious that there is some predetermined QoS features and that these features are preprogrammed into the memory).

Allowable Subject Matter

- 4. Claim 14-20 are allowed.
- 5. Claims 5-8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Blanche Wong whose telephone number is 571-272-3177. The examiner can normally be reached on Monday through Friday, 830am to 530pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi H. Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ba)

BW August 7, 2005